Title (en)

ULTRASONICALLY VISIBLE MEDICAL BALLOON ASSEMBLY

Title (de)

DURCH ULTRASCHALL SICHTBARE MEDIZINISCHE BALLONANORDNUNG

Title (fr)

ENSEMBLE BALLONNET MÉDICAL VISIBLE PAR ULTRASONS

Publication

EP 3034127 A3 20160928 (EN)

Application

EP 15275266 A 20151217

Priority

GB 201422607 A 20141218

Abstract (en)

[origin: EP3034127A2] A balloon catheter assembly (10) includes a balloon structure (20) formed of an inner balloon (40) and an outer balloon (70) which entirely envelops the inner balloon (40). The inner balloon (40) can be filled with air or other echogenic fluid and inflates to a diameter substantially less than the inflated diameter of the outer balloon (70), typically to a diameter of no more than 50% of the inflated diameter of the outer balloon (70). The inner balloon (40) can be inflated with air or other echogenic fluid, enabling the balloon structure (20) to be visible under ultrasonic imaging. The inner balloon (40) is protected within the outer balloon (70) and is shorter than the outer balloon (70). The assembly (10) can be used for PTA procedures, for deploying an implantable medical device or for other medical applications.

IPC 8 full level

A61M 25/10 (2006.01)

CPC (source: EP GB US)

A61B 8/481 (2013.01 - US); **A61F 2/958** (2013.01 - GB); **A61M 25/1011** (2013.01 - EP GB US); **A61M 25/104** (2013.01 - EP US); A61F 2/958 (2013.01 - EP US); A61M 25/0108 (2013.01 - EP US); A61M 2025/1004 (2013.01 - EP GB US); A61M 2025/1013 (2013.01 - EP GB US); A61M 2025/1093 (2013.01 - EP US)

Citation (search report)

- [I] WO 2005023153 A2 20050317 - CROWN LTD D [IL], et al
- [I] US 2014200504 A1 20140717 - ROCHA-SINGH KRISHNA [US]

Cited by

CN111359109A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3034127 A2 20160622; **EP 3034127 A3 20160928**; GB 2533375 A 20160622; GB 2533375 B 20181114; US 2016175567 A1 20160623

DOCDB simple family (application)

EP 15275266 A 20151217; GB 201422607 A 20141218; US 201514968103 A 20151214